

ABSTRACT

A method of determining where to place routing constraints known as cuts in a network to result in a no-loop network, and a method of implementing such constraints in a hierarchical network; to avoid deadlocks. The method of determining where to place cuts in a network to result in a no-loop network comprises an algorithm for numbering the nodes within the network which is used to determine where the cuts are to be placed. The method of implementing constraints in a hierarchical network to result in a no-loop network comprises an algorithm for independently determining cuts and meta-cuts for each peer group, and imposing the necessary routing constraints in the network.